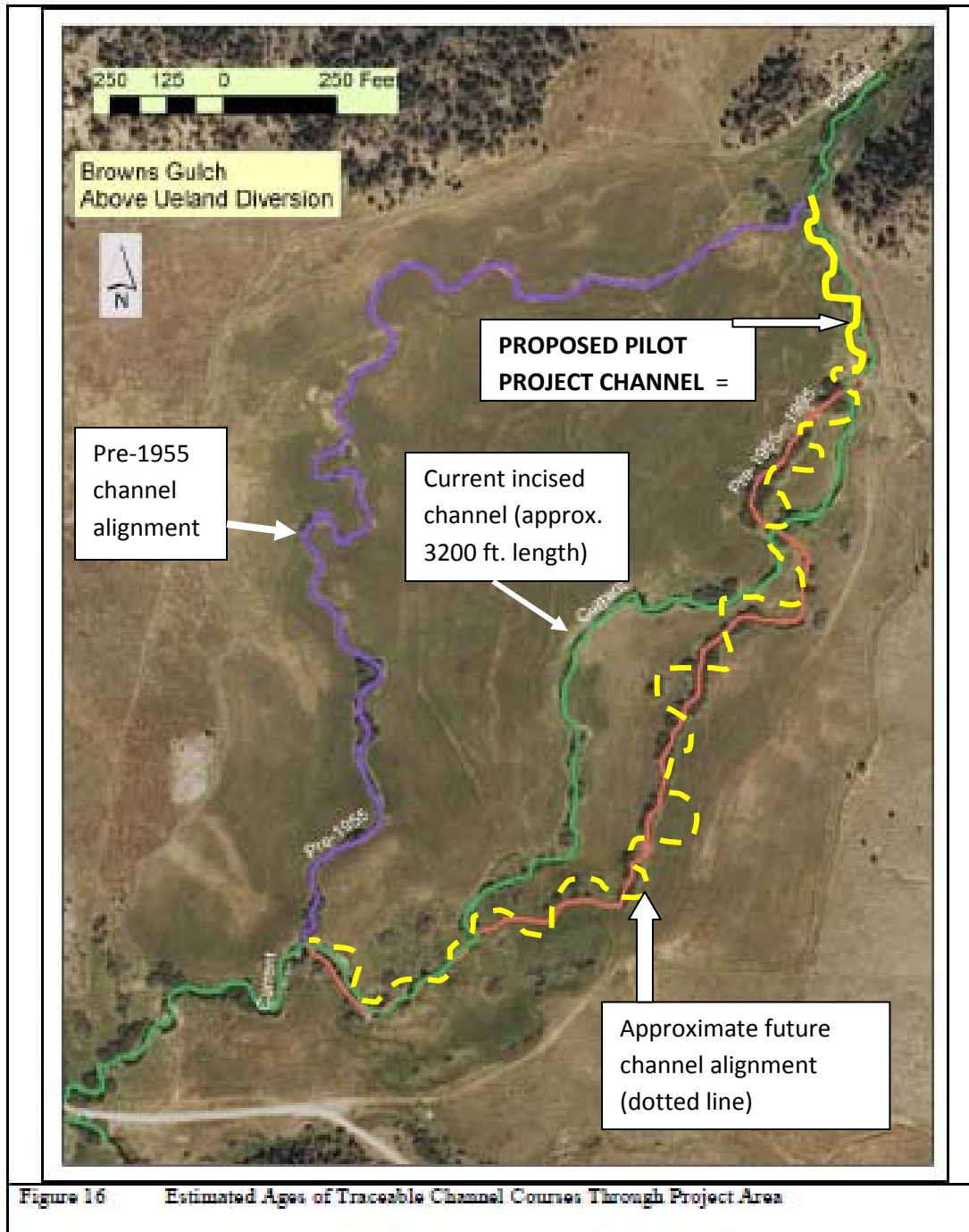


CHANNEL SITE #3: UELAND RANCH PILOT PROJECT CHANNEL CONCEPT PLAN VIEW





Oasis engineers touring the proposed “pilot project” reach on Ueland Ranch upper meadow (May 2012).

UELAND RANCH (SITE #3) CHANNEL CONCEPT: In some sub-reaches a new, small-scale inset floodplain may need to be established at the incised channel grade (see below); while in other sub-reaches the channel bed is closer to existing floodplain and can be reconnected to it. Mile High Conservation District currently has Oasis Engineering working on a more detailed concept design for this “pilot project” site at the upper end of the Ueland Ranch upper meadow.

SITE #3: UELAND RANCH CHANNEL CONCEPT

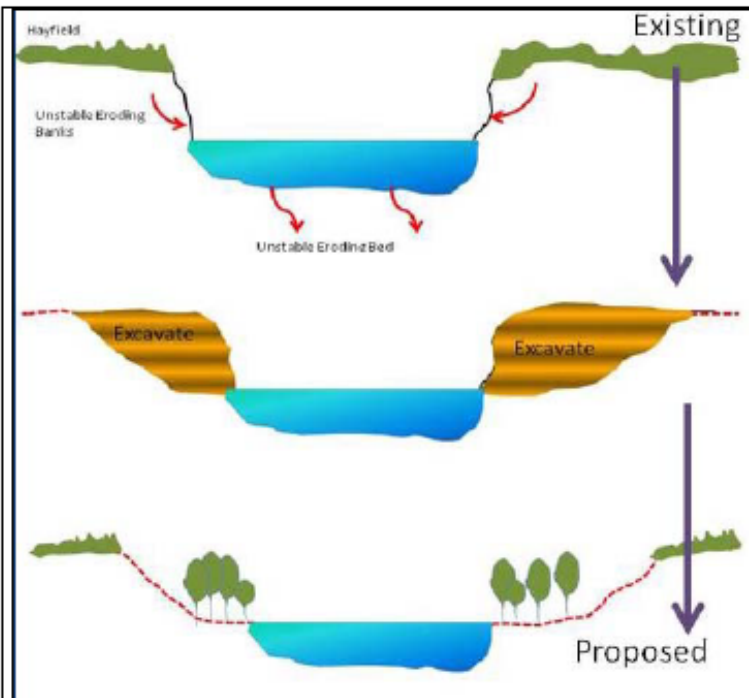


Figure 19 Schematic Sequence Showing Existing Condition (top), Excavation Strategy (middle), and Restored Condition (bottom)

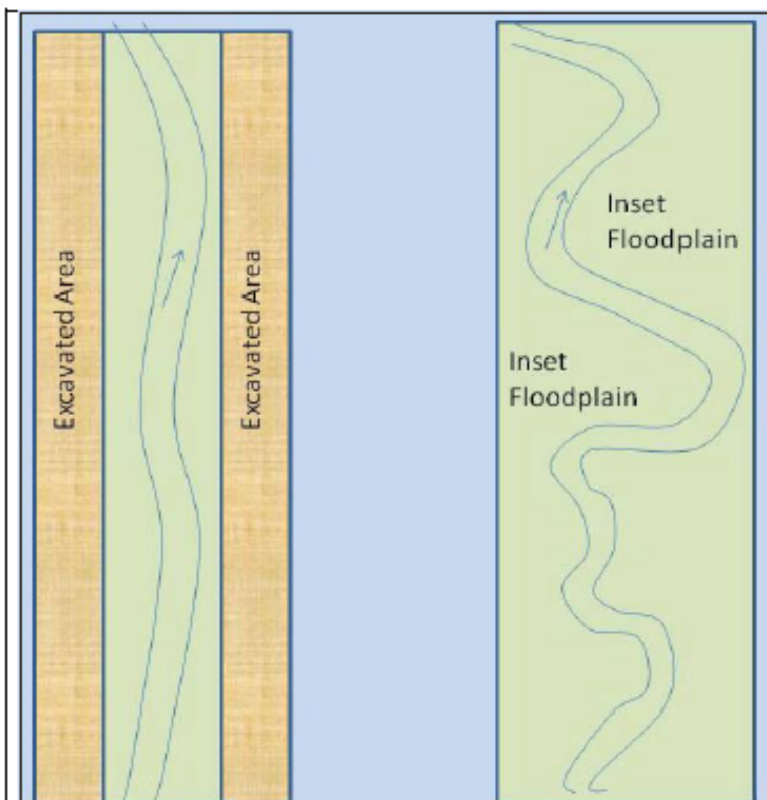
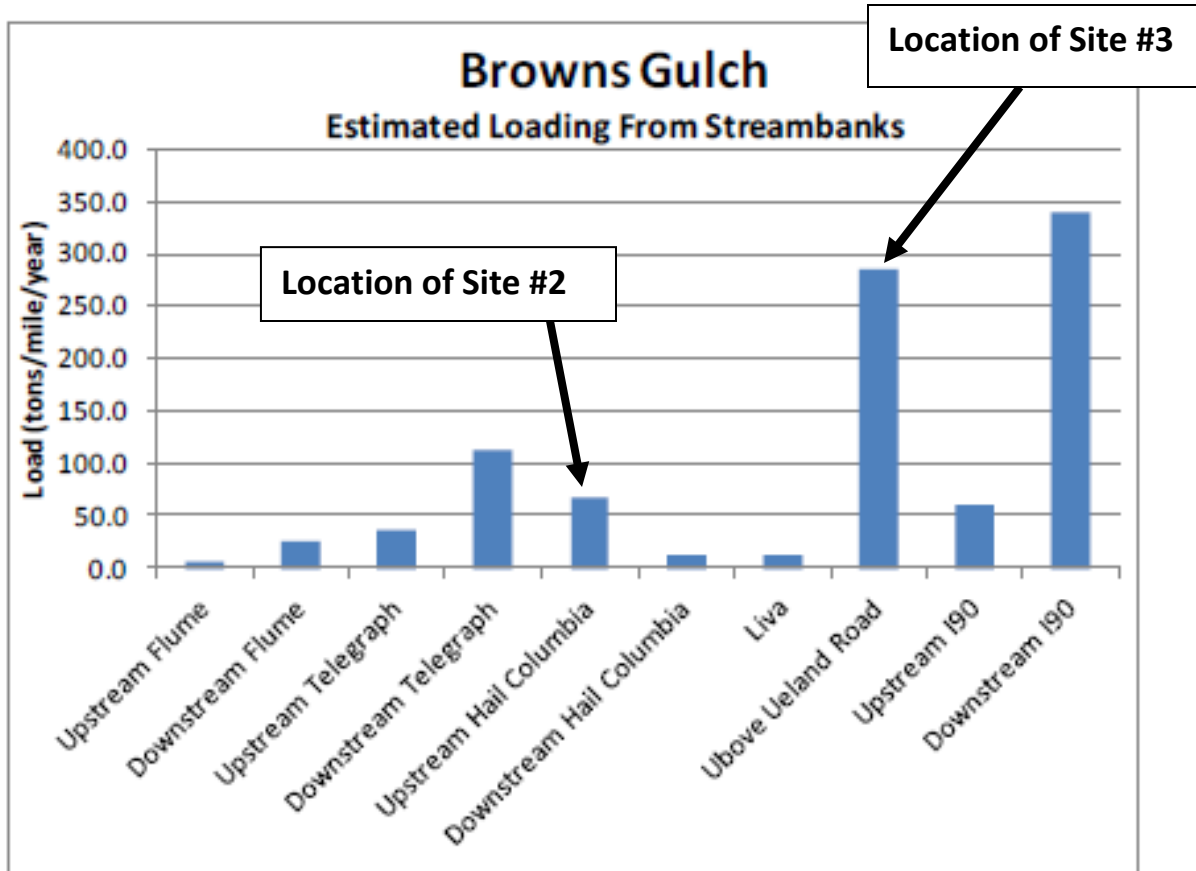


Figure 20 Schematic Drawing Showing Existing Condition (left) and Proposed Condition (right)

Figure 8. Estimated Sediment Loading Rates from Stream Banks, Browns Gulch.



Note that sites #2 and #3 were some of the most severe bank erosion/ fine sediment sources sites measured on Browns Gulch. BEHI data on bank erosion collected and analyzed by Karin Boyd, 2011 for Pioneer Technical Services.